VANDAL RESISTANT PUSHBUTTON SWITCHES

MOMENTARY ACTION, SHORTER BEHIND PANEL, SUBMINIATURE DOUBLE BREAK, SNAP-ACTION

The P8 Vandal Resistant series is a durable, robust switch, offering the same quality and precision tactile feedback found in the standard P8 series. With a variety of case, mounting and terminal styles and a mechanical life of 1,000,000 cycles, this stainless steel sealed switch is ideal for door access security systems, public transit systems, emergency phones, traffic signals, industrial and process control environments and anywhere that ruggedness, durability and security are crucial.

OTTO P8 series pushbutton switches feature a shortened back of panel depth while offering all the features of the regular size P1 and P3 series switches. P8 series switches offer vastly improved electrical and mechanical life under extreme conditions found in most military and industrial environments.

On sealed models, a silicone boot operating on our patented "rolling sleeve" principle protects the contact area against contamination at the button area. This boot provides long life and smooth operation over a wide temperature range. Sealed terminals protect the contact area from hostile environments and solder flux on both sealed and unsealed models.

High contact pressure (120g/4.2 oz), low contact resistance $(25m\Omega)$ and short contact bounce (5ms max) are all a result of our patented snap-action mechanism. These characteristics provide exceptional current carrying capabilities over the life of the switch. Optional low level (gold plate) configuration makes the P8-V switches well suited to interface directly to computers and other solid state devices.

Features:

- Stainless steel vandal resistant case
- **Aluminum security level case**
- Watertight to IP68S or moisture proof & dusttight
- Positive tactile feedback
- Less than 25m Ω contact resistance
- Variety of case and button styles available
- Mechanical life 1 million cycles
- **UL** recognized
- **UL1500** ignition protected

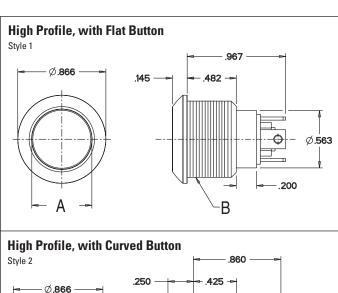


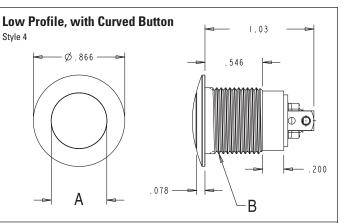


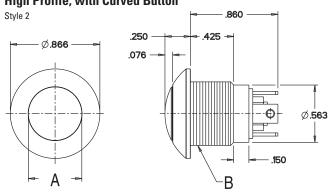
	Standard Characteristics/Ratings:			
ELECTRICAL RATINGS:				
Load	Sea Level @ 28VDC or 115VAC, 60/400Hz			
Resistive	10A			
Inductive	5A			
Lamp	3A			
Low Level	10mA @ 30mV			
Electrical Life:	100,000 cycles			
Mechanical Life:	1,000,000 cycles			
Seal:	IP64 or IP68S			
Operating Temp Range:	-55°C to +85°C			
Operating Force:	2.5 lbs. +0.5 /-1.0 lb. to 4.0 lbs. +/- 1.0 lb.			
Total Travel:	0.085 +/- 0.015 inches			
Overtravel:	0.012 inches min			
Movement Differential:	0.015 inches min			
MATERIALS:				
Case:	Anodized aluminum alloy or stainless steel			
Button:	Anodized aluminum alloy or stainless steel			
Terminals:	Standard silver plate with optional gold plate for low level applications			
Terminal Hardware:	Terminal lugs, screws and lockwasher when applicable			
Mounting Hardware:	Hex nut, lockwasher and panel seal gasket			

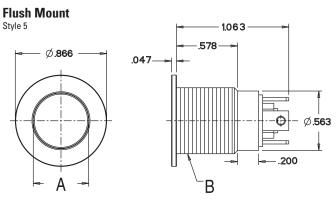


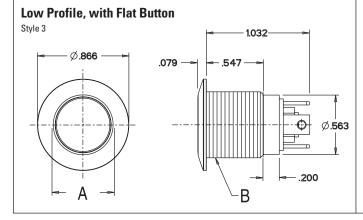
MOMENTARY ACTION, SHORTER BEHIND PANEL, SUBMINIATURE DOUBLE BREAK, SNAP-ACTION











	Case Style	
Dimension	1 - 4	5 - 8
A (Button Dia.)	0.525	0.590
B (Thread)	0.625-24	0.750-20
D-Flat	0.594	0.718

P8-V PART NUMBER CODE X **P8** X X X Type Case Style & Mounting Terminal Style/ Circuit Current Operating **Button Profile** Rating/Seal **Case Color** Form Force 1. N.O. 2. Std./Splashproof V. Vandal Resistant 1. 5/8-24 & Hex Nut 1. Solder Terminal/Silver 1. 2.5 lbs. 1. High Profile/Flat Button 2. High Profile/Curved Button (SS Case & Button) 2. Screw Terminal/Silver 2. N.C. 3. Std./Watertight 2. 5/8-24 & Knurl Nut 2, 4.0 lbs. A. Security Level 3. 5/8-24 W/D-Flat & Hex Nut 3. Faston Terminal/Silver 23 6. 2 Circuit 4. Low Level/Splashproof 3. Low Profile/Flat Button (AL Case & Button) 4. 5/8-24 W/D-Flat & Knurl Nut 4. Solder Terminal/Black ① 5. Low Level/Watertight 4. Low Profile/Curved Button 5. 3/4-20 & Hex Nut 5. Screw Terminal/Black ① 5. Flush Profile 6. 3/4-20 & Knurl Nut 6. Faston Terminal/Black 123 ① Only available on P8-A Styles 7. 3/4-20 W/D-Flat & Hex Nut ② Overall length +0.12" for faston terminals 8. 3/4-20 W/D-Flat & Knurl Nut

③ Faston receptacles: 0.187" on N.O.; 0.110" on N.C. terminals